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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

: Confirmation No.: 9188

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Roark et al.

: Group Art Unit: 1754

FEB 11 2003

Serial No. 10/039,771

: Examiner: Pearlene Foster

TC 1700

Filed: October 29, 2001

For: **SELECTIVE REMOVAL OF CARBON
MONOXIDE**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231

On 2/6/03 L Murray
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

The Examiner is respectfully requested to consider the Information Disclosure Statement submitted by Applicants in U.S. serial number 09/468,034 filed December 20, 1999, from which the above-referenced application takes priority under 35 U.S.C. §120. Further, Applicants respectfully direct the Examiner's attention to any other items cited by the Examiner during the prosecution of the patent application serial number 09/468,034. It is believed unnecessary under 37 C.F.R. §1.98(a) to submit copies of these previously submitted or cited items which are listed on the enclosed Form 1449.


The Examiner is respectfully requested to consider the additional references, copies enclosed, which may qualify as prior art. For the Examiner's convenience, the references are listed on the attached Patent and Trademark Office form PTO-1449.

Where the month of a reference is not listed, the year of publication is sufficiently earlier than the effective U.S. filing date so that the particular month of publication is not an issue.

This information is cited in a spirit of forthrightness and cooperation to enable the applicants to obtain that measure of protection for the invention to which there is entitlement. However, no representation is made that the listed art actually qualifies as prior art under the patent statute and the mere use of PTO-1449 is not an admission that all listed references are prior art. No representation is made that applicants know of the best art.

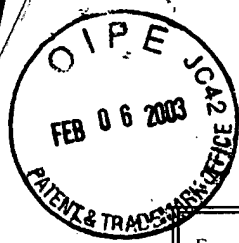
It is believed that this submission does not require the payment of a fee. If this is not correct, please charge any required fee to deposit account no. 07-1969.

Respectfully submitted,



Sally A. Sullivan
Reg. No. 32,064

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Attorney Docket No. 89-00
SAS:lem:February 5, 2003



Form PTO 1449		
ATTY DOCKET NO: 89-00	SERIAL NO: 10/039,771	FILING DATE: October 29, 2001
APPLICANT: Roark et al.		GROUP: 1754

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	4,968,656	11/06/90	Fukuda et al.	502	244	
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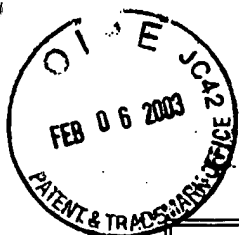
FOREIGN PATENT DOCUMENTS

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	Document Number	Date	Country	Class	Subclass	Translation Yes/No

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

		Bethke, G. K. and Kung, H. H., "Selective CO oxidation in a hydrogen-rich stream over Au/ γ -Al ₂ O ₃ catalysts," (March 2000) <i>Appl. Cat. A: Gen.</i> 194-195 :43-53. ✓
		Gonzalez-Velasco, J. R. et al., "Contribution of cerium/zirconium mixed oxides to the activity of a new generation of TWC," (September 1999) <i>Appl. Catal. B: Env.</i> 22 :167-178. ✓
		Haruta, M. et al., "Novel gold catalysts for the oxidation of carbon monoxide at a temperature far below 0°C," (1987) <i>Chem. Lett.</i> 405-408. ✓
		Haruta, M. et al., "Gold catalysts prepared by coprecipitation of low-temperature oxidation of hydrogen and of carbon monoxide," (1989) <i>J. Catal.</i> 115 :301-309. ✓
		Haruta, M., "Size- and support-dependency in the catalysis of gold," (1997) <i>Catalysis Today</i> , 36 :153-166. ✓
		Heiz, U. et al., "Catalytic oxidation of carbon monoxide on monodispersed platinum clusters: each atom counts," (March 1999) <i>J. Am. Chem. Soc.</i> 121 :3214-3217. ✓
		Hoflund, G. B. et al., "Au/MnO _x catalytic performance characteristics for low-temperature carbon monoxide oxidation," (1995) <i>Appl. Catal. B: Envir.</i> 6 :117-126. ✓
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			Hoflund, G. B. et al., "Influence of an Fe promoter on silica-supported Pt/SnO _x catalysts used for low-temperature CO oxidation," (1995) <i>Catal. Lett.</i> , 31 :133-141. 9 ✓
			Kahlich, M. et al. <i>Kinetics of the selective CO oxidation in H₂-rich gas streams on supported noble metal catalysts in New Materials for Fuel Cell and Modern Battery Systems II</i> , Savadogo O. Ed., Ecole Polytechnique: Montreal, 1997. 9 ✓
			Oh, S. H. and Sinkevitch R. M., "Carbon monoxide removal from hydrogen-rich fuel cell feedstreams by selective catalytic oxidation," (1993) <i>J. Catal.</i> 142 :254-262. 9 ✓
			Sekizawa, K. et al., "Selective removal of CO in methanol reformed gas over Cu-supported mixed metal oxides," (May 1998) <i>Appl. Cat. A.: Gen.</i> 169 :291-297. 9 ✓
			Stark, D. S. and Harris, M. R., "Catalysed recombination of CO and O ₂ in sealed CO ₂ TEA laser gases at temperatures down to -27°C," (1983) <i>J. Phys. E: Sci. Instrum.</i> 16 :492-496. 9 ✓
			Tschope, A. et al., "Redox Activity of Nonstoichiometric Cerium Oxide-Based Nanocrystalline Catalysts," (1995) <i>J. Catalysis</i> 157 :42-50. ✓
			Vidal, H. et al., "Influence of high temperature treatments under net oxidizing and reducing conditions on the oxygen storage and buffering properties of a Ce _{0.68} Zr _{0.32} O ₂ mixed oxide," (November 1999) <i>Catal. Today</i> , 54 :93-100. ✓

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

10/29/01



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Originally cited in 09/468,034

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Form PTO 1449			TC 1700
ATTY DOCKET NO. 89-00	SERIAL NO. 10/039,771	FILING DATE December 20, 1999	
APPLICANT Roark et al.		GROUP 1754	

U.S. PATENT DOCUMENTS

Exmr Initial		Document Number	Date (dd-mm-yyyy)	Name	Class	Subclass	Filing Date if Appropriate
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	2	4,661,329	04-28-1987	Suzuki et al.	423	245	
	3	5,061,464	10-29-1991	Cordonna, Jr. et al.	423	2113.5	
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OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

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12/20/89